G.M.

This section contains:

- GM BASIC (Non-CAN / ADS-138)
- GM CAN (ADS-139)
- GM Remotes (Part of ADS-138 & 139)
- Cadillac Catera (Part of ADS-100)
- Catera PIN Read (Part of ADS-100)
- Pontiac GTO (Part of ADS-139)
- Saturn Astra (Part of ADS-139)

(Optional software on some TCode units)

MVP - TCODE - *PRO*

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G. M. USA Basic Remote Programming

(Part of Non-CAN / ADS-138)

(Optional software on some TCode units)

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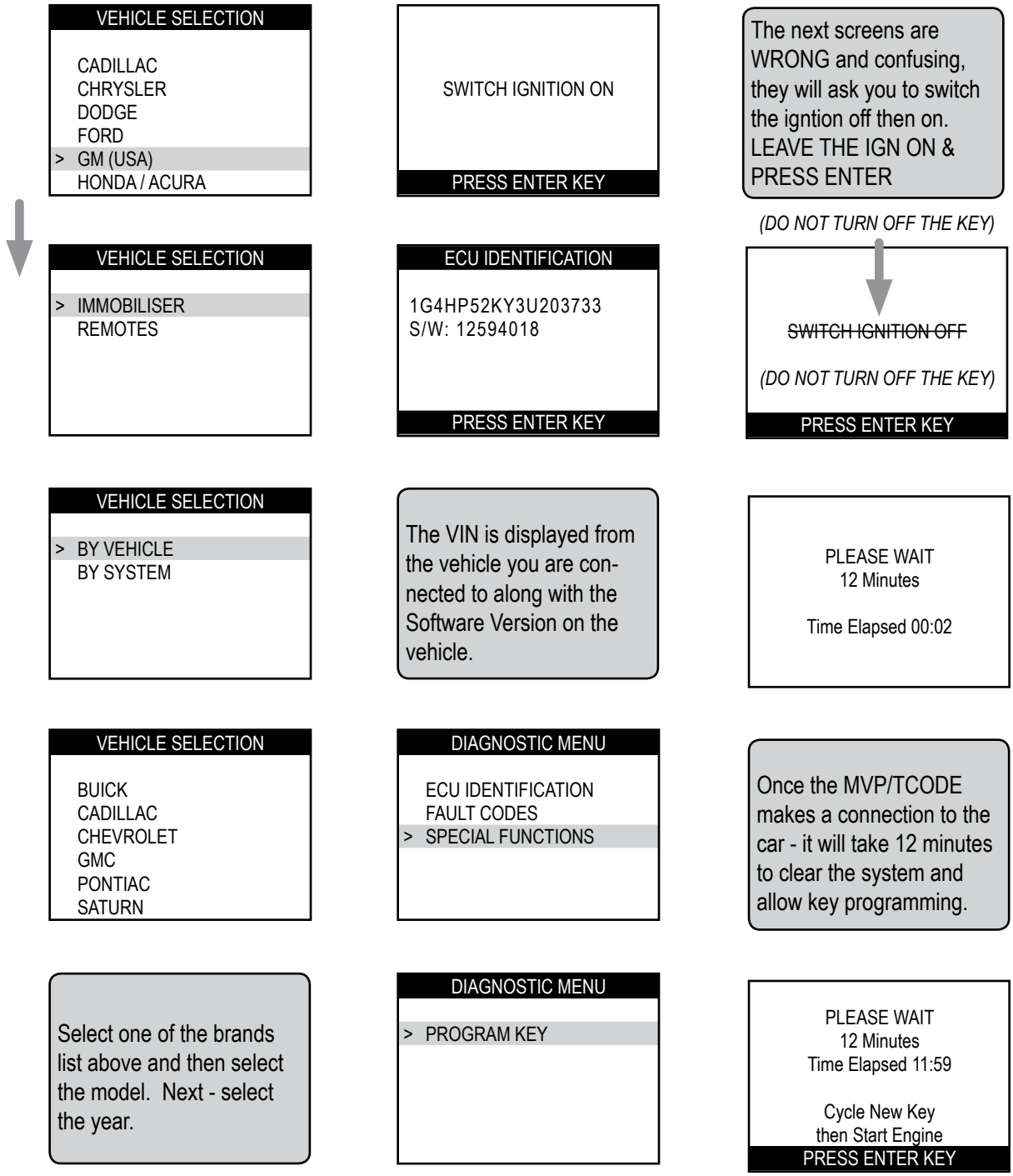
GM USA (Non-CAN)

Use this method to Program Keys



G. M. Basic Remote Programming

Remote Programming Notes & Tips

General Notes:

1) MVP Owners - No Tokens are used on GM RKE programming listed in this guide.

2) If you have problems getting a remote programmed check the battery on the remote.

3) Check that the vehicle battery voltage is at least 12volts.

4) Compare it's part # and FCC ID to another working remote for that car if you have one.

5) Be sure you have the correct remote for the vehicle you are working on.
Sorry..ADUSA tech support does not provide remote part numbers by vehicle. Please check your distributor or dealer parts counter for part numbers.

6) Some vehicle listed here may not have an RKE system as standard equipment. If the car does not have a remote now it's possible that the factory system is not installed, and of course you won't be able to program a remote!

System Type Notes:

Type 4:
Use "Program Remotes" to "Add" remotes (up to 4 max.) "Erase Remotes" erases all remotes from the system. On some Type 4 vehicles it has been reported you MUST use "Erase Remotes" function FIRST or the "Program Remotes" function will NOT work.

Type 5:
Might have to start procedure with Ignition in "Off" position.

Type 7 & **8:**
"Program Remotes" function can program up to 4 remotes at once. When initially communicating start with the ignition "ON" and then switch ignition "OFF" and select "Program Remotes" Now press and hold the Lock and Unlock buttons on each remote as prompted by the tester until the tester responds and asks if you want to program additional remotes.
When finished the tester will prompt you to cycle the ignition. Turn the ignition back "ON" then "OFF" and you are done. All previous remotes are erased. Use the "Check Remotes" selection to see how many remotes are programmed. Please note this feature also can show what button is being pressed on a remote. This feature works only with the ignition "OFF".

Type 13 & **14**:
4 remotes maximum - program all at the same time. Hold Lock & Unlock 10 sec each. Be careful with "KOBGT04A" FCC ID remotes used. The Part Number much be correct along with the FCC ID. They must both match or the remote will not program.

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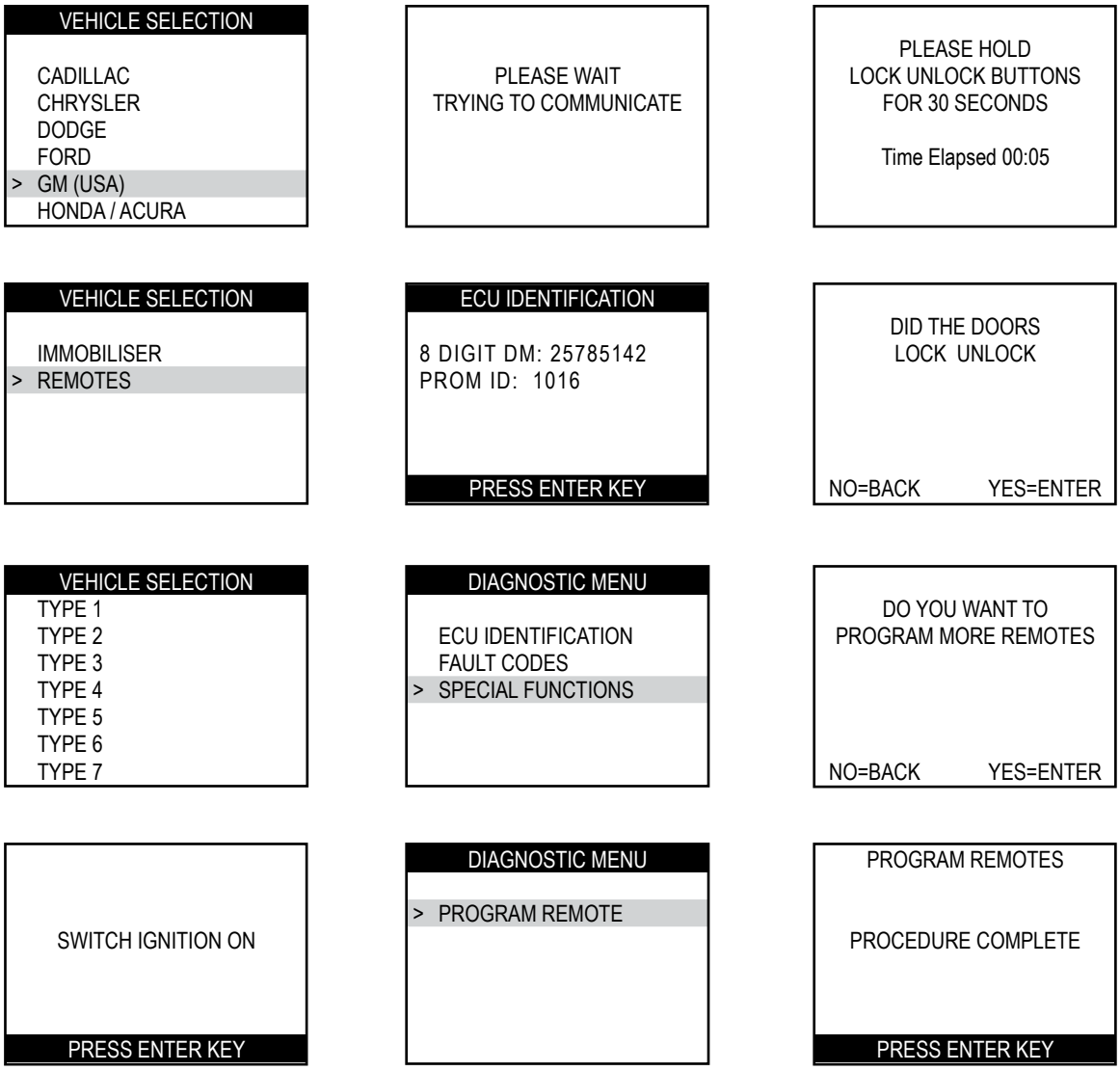
G. M. Basic Remote Programming

Use this method to Program Remotes



MVP - TCODE - *PRO*

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GM CAN
Key & Remote Fob Programming

(ADS-139)

(Optional software on some TCode units)

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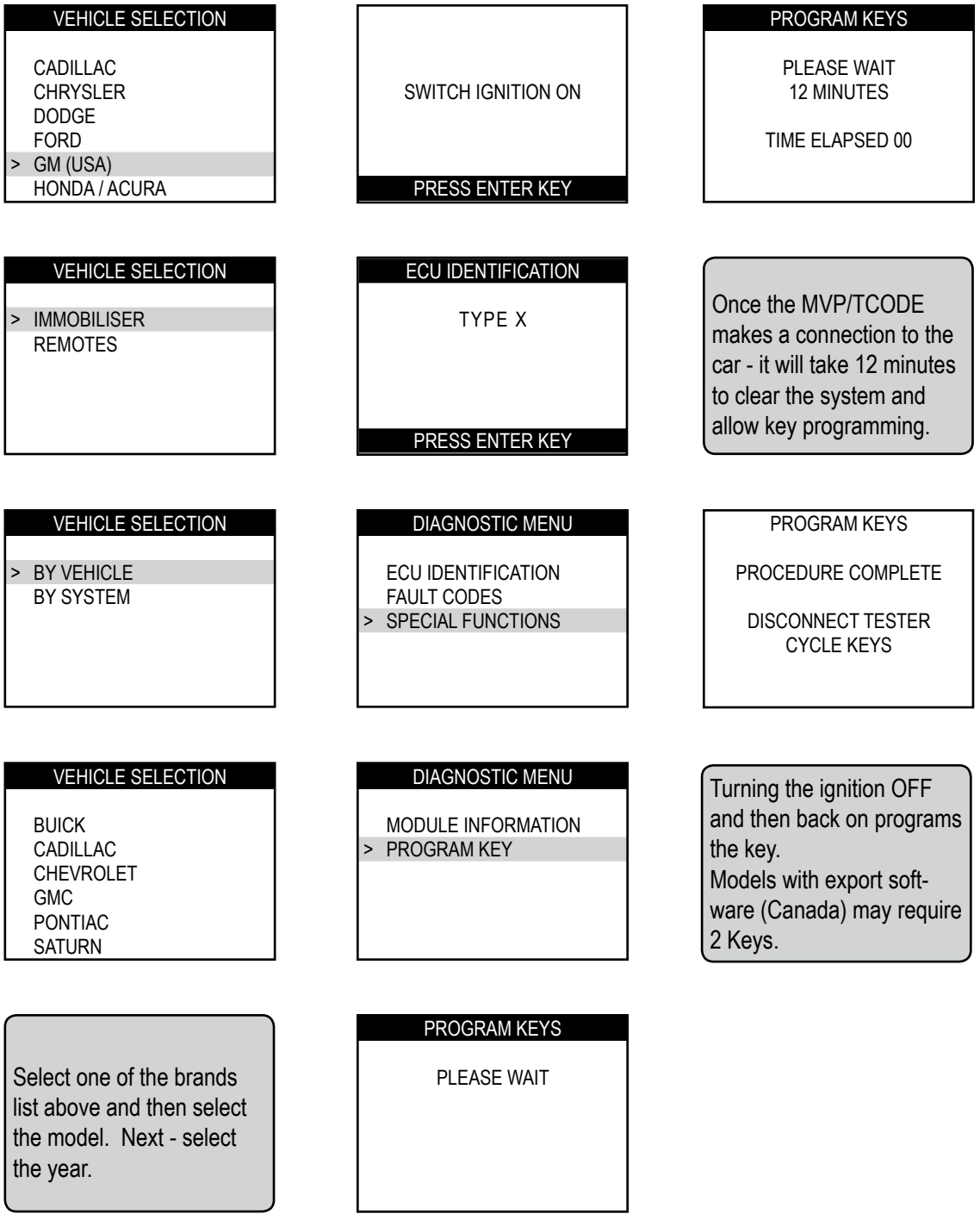
G.M. CAN *KEYS*

Use this method to Program Keys



G.M. CAN *REMOTES*

Remote Programming Notes & Tips

General Notes:

1) MVP Owners - No Tokens are used on GM RKE programming listed in this guide.

2) If you have problems getting a remote programmed check the battery on the remote.

3) Check that the vehicle battery voltage is at least 12volts.

4) Compare it's part # and FCC ID to another working remote for that car if you have one.

5) Be sure you have the correct remote for the vehicle you are working on.
Sorry..ADUSA tech support does not provide remote part numbers by vehicle. Please check your distributor or dealer parts counter for part numbers.

6) Some vehicle listed here may not have an RKE system as standard equipment. If the car does not have a remote now it's possible that the factory system is not installed, and of course you won't be able to program a remote!

System Type Notes:

Type 9:
Two different methods of holding the buttons on the remotes can be used.
Method A = Hold both Lock and Unlock for approx 15 until the car responds.
Method B = Hold both Lock and Unlock buttons for 3-4 seconds then hit Unlock.
The car should respond - locks cycle or beep /chime is heard. Cadillac CTS and DTS listed are the standard keyed versions, not the PROX equipped models.

Type 11:
If "Type 11" does not work - try then "Type 9" as some cars may have had a mid-year change.

Type 12: PRO Only - Some models may also have a On-Board procedure. This is because of differences in the type of the factory radio that was installed.

Type 13 & **14**:
Four (4) remotes maximum - program all at the same time. Hold Lock & Unlock 10 sec each. Be careful with "KOBGT04A" FCC ID remotes used. The Part Number much be correct along with the FCC ID. They must both match or the remote will not program.

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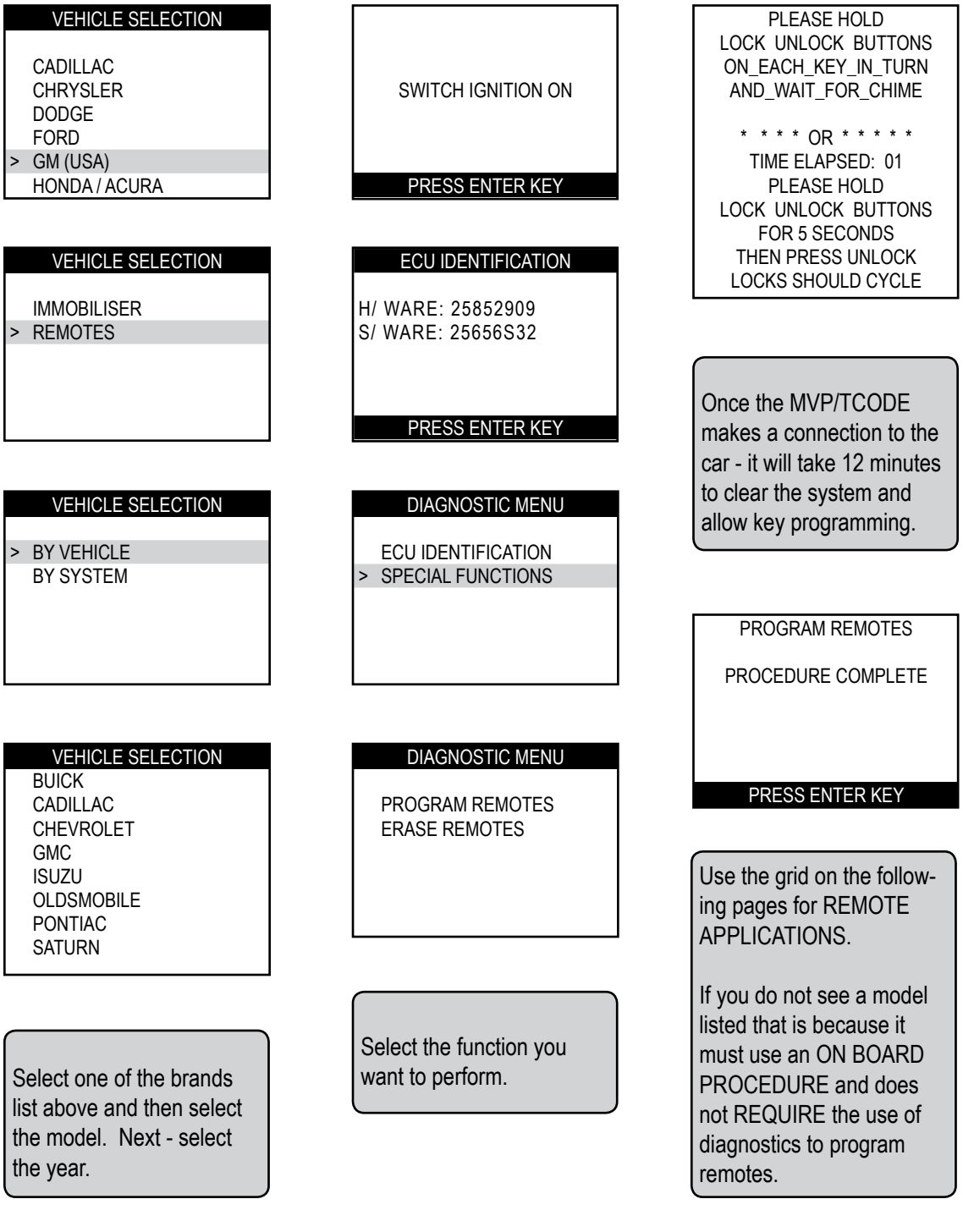
G.M. CAN *REMOTES*

Use this method to Program Remotes



G.M. *REMOTE APPLICATIONS*

MAKE	MODEL	FROM	TO	SYSTEM	PRO DONGLE	CABLE TO USE
BUICK	ALLURE	2005	2006	TYPE 13	C	ADC250
BUICK	ALLURE	2007	2008	TYPE 14	C	ADC250
BUICK	CENTURY	1997	2005	TYPE 3	C	ADC250
BUICK	ENCLAVE	2008	2012	TYPE 9	K	ADC250
BUICK	LACROSSE	2005	2006	TYPE 13	C	ADC250
BUICK	LACROSSE	2007	2009	TYPE 14	C	ADC250
BUICK	LESABRE	2000	2005	TYPE 5	C	ADC250
BUICK	LUCERNE	2006	2011	TYPE 9	K	ADC250
BUICK	PARK AVE	2000	2005	TYPE 3	C	ADC250
BUICK	REGAL	2000	2004	TYPE 3	C	ADC250
BUICK	RENDEZVOUS	2002	2007	TYPE 1	C	ADC250
BUICK	TERRAZA	2005	2007	TYPE 13	C	ADC250
CADILLAC	CTS	2003	2007	TYPE 2	C	ADC250
CADILLAC	CTS	2008	2010	TYPE 9	K	ADC250
CADILLAC	DEVILLE	1998	2005	TYPE 5	C	ADC250
CADILLAC	DTS	2006	2011	TYPE 9	K	ADC250
CADILLAC	ELDERADO	1998	2002	TYPE 5	C	ADC250
CADILLAC	ESCALADE	2007	2013	TYPE 9	K	ADC250
CADILLAC	SEVILLE	1998	2004	TYPE 5	C	ADC250
CADILLAC	SRX	2004	2007	TYPE 2	C	ADC250
CADILLAC	SRX	2008	2009	TYPE 9	K	ADC250
CHEVROLET	ASTRO	2003	2005	TYPE 6	C	ADC250
CHEVROLET	AVALANCHE	2007	2013	TYPE 9	K	ADC250
CHEVROLET	BLAZER	2004	2005	TYPE 6	C	ADC250
CHEVROLET	CAVALIER	2000	2005	TYPE 4	C	ADC250
CHEVROLET	COBALT	2005	2006	TYPE 11	K	ADC250
CHEVROLET	COBALT	2007	2010	TYPE 9	K	ADC250
CHEVROLET	COLORADO	2004	2013	TYPE 7	C	ADC250
CHEVROLET	EQUINOX	2005	2006	TYPE 4	C	ADC250
CHEVROLET	EQUINOX	2007	2009	TYPE 9	K	ADC250
CHEVROLET	EXPRESS	2002	2007	TYPE 5	C	ADC250
CHEVROLET	EXPRESS	2008	2013	TYPE 9	K	ADC250
CHEVROLET	HHR	2005	2006	TYPE 11	K	ADC250
CHEVROLET	HHR	2007	2011	TYPE 9	K	ADC250
CHEVROLET	IMPALA	2001	2005	TYPE 12	C	ADC250

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G.M. *REMOTE APPLICATIONS*

MAKE	MODEL	FROM	TO	SYSTEM	PRO DONGLE	CABLE TO USE
CHEVROLET	IMPALA	2006	2012	TYPE 9	K	ADC250
CHEVROLET	MALIBU CLASSIC	2001	2006	TYPE 5	C	ADC250
CHEVROLET	MALIBU	2004	2006	TYPE 11	K	ADC250
CHEVROLET	MALIBU	2007	2012	TYPE 9	K	ADC250
CHEVROLET	MONTE CARLO	2003	2005	TYPE 12	C	ADC250
CHEVROLET	MONTE CARLO	2006	2007	TYPE 9	K	ADC250
CHEVROLET	S10	2003	2005	TYPE 6	C	ADC250
CHEVROLET	SILVERADO	2007	2013	TYPE 9	K	ADC250
CHEVROLET	SSR	2004	2005	TYPE 5	C	ADC250
CHEVROLET	SUBURBAN	2007	2011	TYPE 9	K	ADC250
CHEVROLET	TAHOE	2007	2013	TYPE 9	K	ADC250
CHEVROLET	TRAILBLAZER	2002	2008	TYPE 8	C	ADC250
CHEVROLET	TRAVERSE	2009	2011	TYPE 9	K	ADC250
CHEVROLET	UPLANDER	2005	2007	TYPE 13	C	ADC250
CHEVROLET	UPLANDER	2008	-	TYPE 14	C	ADC250
GMC	ACADIA	2007	2011	TYPE 9	K	ADC250
GMC	CANYON	2004	2012	TYPE 7	C	ADC250
GMC	DENALI	2007	2011	TYPE 9	K	ADC250
GMC	ENVOY	2002	2008	TYPE 8	C	ADC250
GMC	JIMMY	2003	2006	TYPE 6	C	ADC250
GMC	SAVANNA	2003	2007	TYPE 5	C	ADC250
GMC	SAVANNA	2008	2011	TYPE 9	K	ADC250
GMC	SAFARI	2003	2006	TYPE 6	C	ADC250
GMC	SIERRA	2007	2013	TYPE 9	K	ADC250
GMC	SONOMA	2004	2005	TYPE 6	C	ADC250
GMC	YUKON	2007	2013	TYPE 9	K	ADC250
HUMMER	H3	2005	2010	TYPE 7	C	ADC250
ISUZU	ASCENDER	2003	2008	TYPE 8	C	ADC250
ISUZU	I-280	2006	-	TYPE 7	C	ADC250
ISUZU	I-290	2007	2008	TYPE 7	C	ADC250
ISUZU	I-350	2006	-	TYPE 7	C	ADC250
ISUZU	I-370	2007	2008	TYPE 7	C	ADC250
OLDSMOBILE	ALERO	1999	2004	TYPE 5	C	ADC250

G.M. *REMOTE APPLICATIONS*

MAKE	MODEL	FROM	TO	SYSTEM	PRO DONGLE	CLASSIC CABLE & ADAPTOR TO USE
OLDSMOBILE	AURORA	2001	2003	TYPE 5	C	ADC250
OLDSMOBILE	BREVADA	2002	2004	TYPE 8	C	ADC250
PONTIAC	AZTEC	2001	2005	TYPE 1	C	ADC250
PONTIAC	BONNEVILLE	2000	2005	TYPE 5	C	ADC250
PONTIAC	G5	2007	2009	TYPE 9	K	ADC250
PONTIAC	G6	2005	2006	TYPE 11	K	ADC250
PONTIAC	G6	2007	2010	TYPE 9	K	ADC250
PONTIAC	G8	2008	2009	TYPE 9	K	ADC250
PONTIAC	GRAND AM	1999	2005	TYPE 5	C	ADC250
PONTIAC	GRAND PRIX	2004	2006	TYPE 13	C	ADC250
PONTIAC	GRAND PRIX	2007	2008	TYPE 14	C	ADC250
PONTIAC	MONTANA SV6	2005	2007	TYPE 13	C	ADC250
PONTIAC	MONTANA SV6	2008	2009	TYPE 14	C	ADC250
PONTIAC	PURSUIT	2006	2009	TYPE 9	K	ADC250
PONTIAC	SOLSTICE	2006	2009	TYPE 9	K	ADC250
PONTIAC	SUNFIRE	2000	2005	TYPE 4	C	ADC250
PONTIAC	TORRENT	2007	2009	TYPE 9	K	ADC250
SAAB	9-7X	2005	2008	TYPE 8	C	ADC250
SATURN	AURA	2007	2009	TYPE 9	K	ADC250
SATRUN	ION	2003	2007	TYPE 4	C	ADC250
SATURN	L SERIES	2000	2005	TYPE 4	C	ADC250
SATURN	OUTLOOK	2007	2008	TYPE 9	K	ADC250
SATURN	RELAY	2005	2007	TYPE 13	C	ADC250
SATURN	S SERIES	2000	2005	TYPE 4	C	ADC250
SATURN	SKY	2007	2010	TYPE 9	K	ADC250
SATURN	VUE	2002	2007	TYPE 4	C	ADC250
SUZUKI	XL-7	2008	2009	TYPE 9	K	ADC250

If you do not see a model listed that is because it must use an ON BOARD PROCEDURE and does not REQUIRE the use of diagnostics to program remotes.

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MVP - TCODE - *PRO*

Powered by *ADVANCED DIAGNOSTICS USA*

1997-2001
CADILLAC CATERA
Key Programming

(Part of ADS-100)

(Optional software on some TCode units)

Cadillac Catera
Requires a 4-Digit Pin Code

Must be obtained from a GM Dealer or (Possibly) Using PIN Read Software on Pro.

Mar 23, 13:11EST General Motors TTY6 (13:12) Page 1 of 1

KEY CODE FAX

Dealer: 01001 Date: 03/23/02

VIN Number : W06VR52R7WR142422

Ignition Key : 1566
Trunk Key : 1566
VATS : 9743

The 1997-2001 Cadillac Catera is a modified version of the European made Opel.

An important note to remember is that the Catera model in the USA will need a 4-digit PIN Code to complete key programming. The PIN Code is usually obtained through GM dealers or Cadillac Roadside. It will display as the VATS code, when in reality it is the PIN code.

If the wrong password is entered, the process is interrupted. After 3 attempts the ECU will lock and becomes blocked for 10 minutes, you must leave the key ON during this period.

It is a good idea to have a working relationship with your local dealer in order to obtain the PIN Codes, when necessary, for key programming. Some dealers are more friendly than others.

The Pin Reading on the PRO will work 90% of the time IF THE INTRUCTIONS ARE FOLLOWED but ONLY if a spare key has ever been programmed into the car.

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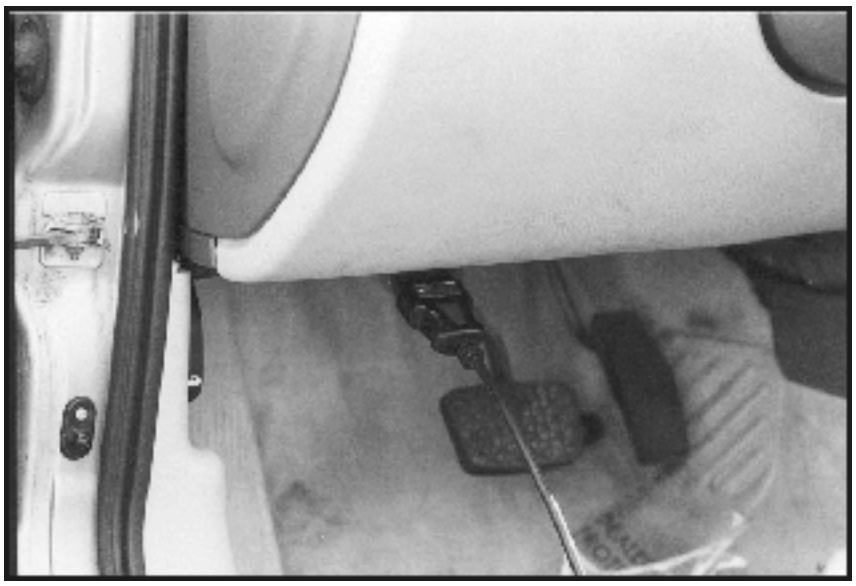
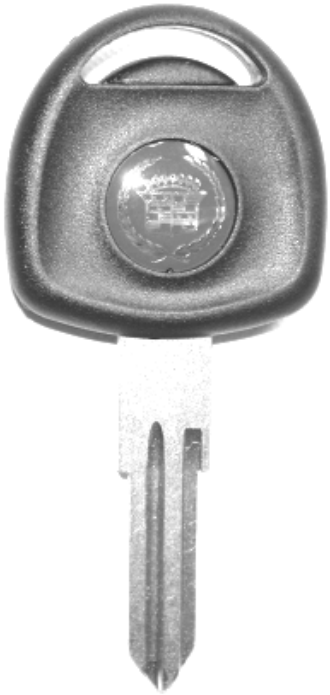
Cadillac Catera

Example:
First we need to connect the MVP or *TCODE* to the OBD2 port under the dash on this Catera. The port is easy to get and on this car, it is to the lower left of the steering column.





A Dealer key is required.

No ILCO or JET keys can be used. They will not program!

Cadillac Catera

ADDITIONAL INFORMATION

Wrong Key or Error during Programming

PROGRAM DENIED

PRESS ENTER KEY

The above screen will usually appear if you are using the wrong key or there is an error during programming.

Once you have double-checked you are using the right key, disconnect your Device and remove the key. Wait 1 minute and start over.

LIVE DATA

LIVE DATA	
IGN STAT	ON
TP KEY 1	PROG
TP KEY 2	PROG
TP KEY 3	NOT PROG
TP KEY 4	NOT PROG
TP KEY 5	NOT PROG

The Live Data will display the status of the Ignition Cylinder.

The key positions are displayed in order, showing the programmed and non programmed keys.

PINCODE READ

READ PINCODE

NOT ENABLED

CONTACT
YOUR DISTRIBUTOR

PRESS ENTER KEY

It is now possible to Read or display the PIN Code directly from the car's computer.

This is optional software and must be purchased from a Distributor. It is not part of the Standard software package.

(Note: This has recently changed so software is usually part of the standard kits)

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Cadillac Catera

PIN CODE READ

WARNING:
The PIN Code reading software does not work on every Cadillac Catera. If the software cannot read the Pin Code from the car - you will have to get it from a GM dealer.

NOTE:
For MVP owners this software is included and will cost you 1 Token to use. For TCODE owners, this is optional S/W.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

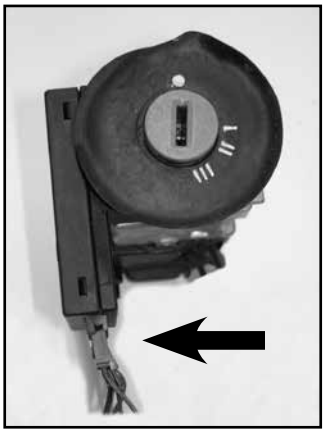
CLEAR KEYS
PROGRAM KEYS
> READ PINCODE

NOTE: Follow the next screen prompts.

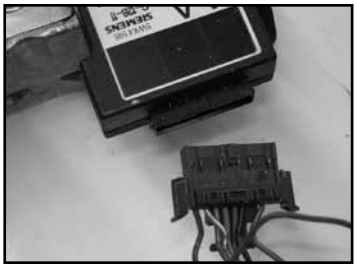
RESET IMMOBILSER

DISCONN. IMMO UNIT
FROM THE VEHICLE

PRESS ENTER KEY



NOTE: Disconnect the Blue connector that goes into the Immobilizer Control Unit on the steering column and then press enter on the tester.



RESET IMMOBILSER

RECONN. IMM UNIT
TO THE VEHICLE

PRESS ENTER KEY

NOTE: Reconnect the Blue connector that goes into the Immobilizer Control Unit and then press enter on the tester.

PLEASE WAIT
TRYING TO COMMUNICATE

PINCODE

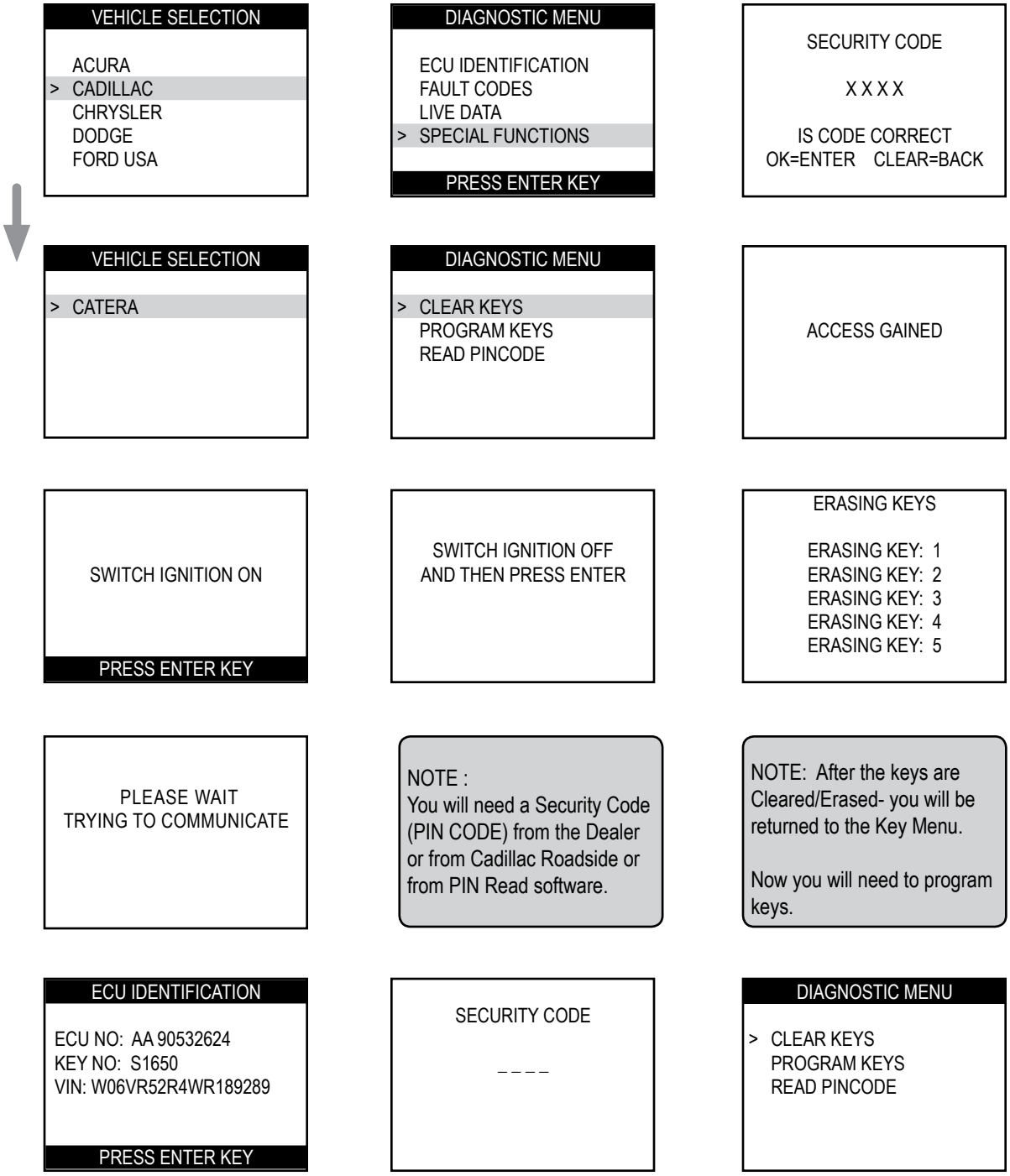
2 3 9 4

PRESS ENTER KEY

NOTE: If you are unable to read the PIN Code, disconnect the tester and remove the key. Wait 2 minutes and try the procedure again.

Cadillac Catera

ERASE/CLEAR ALL KEYS



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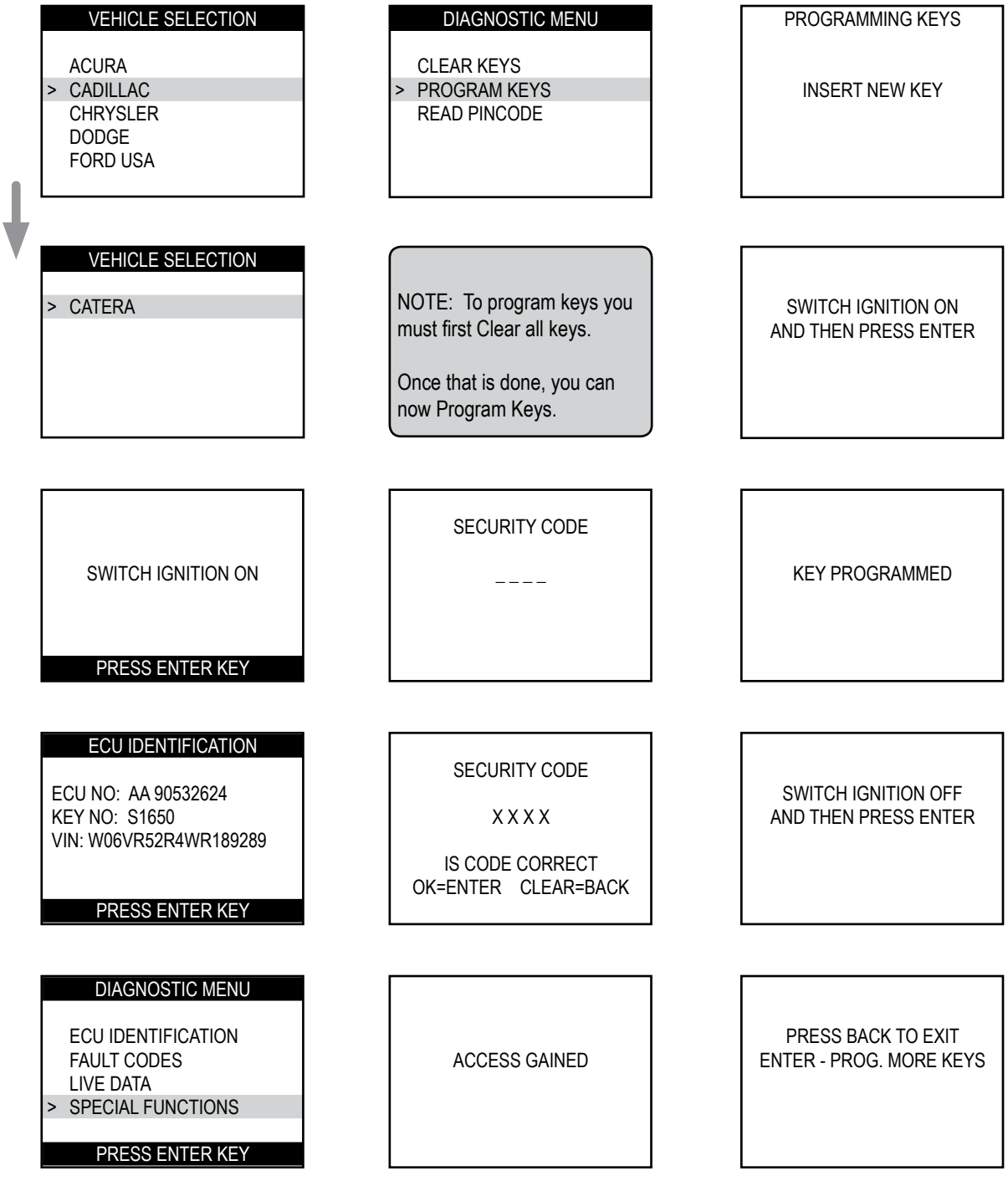
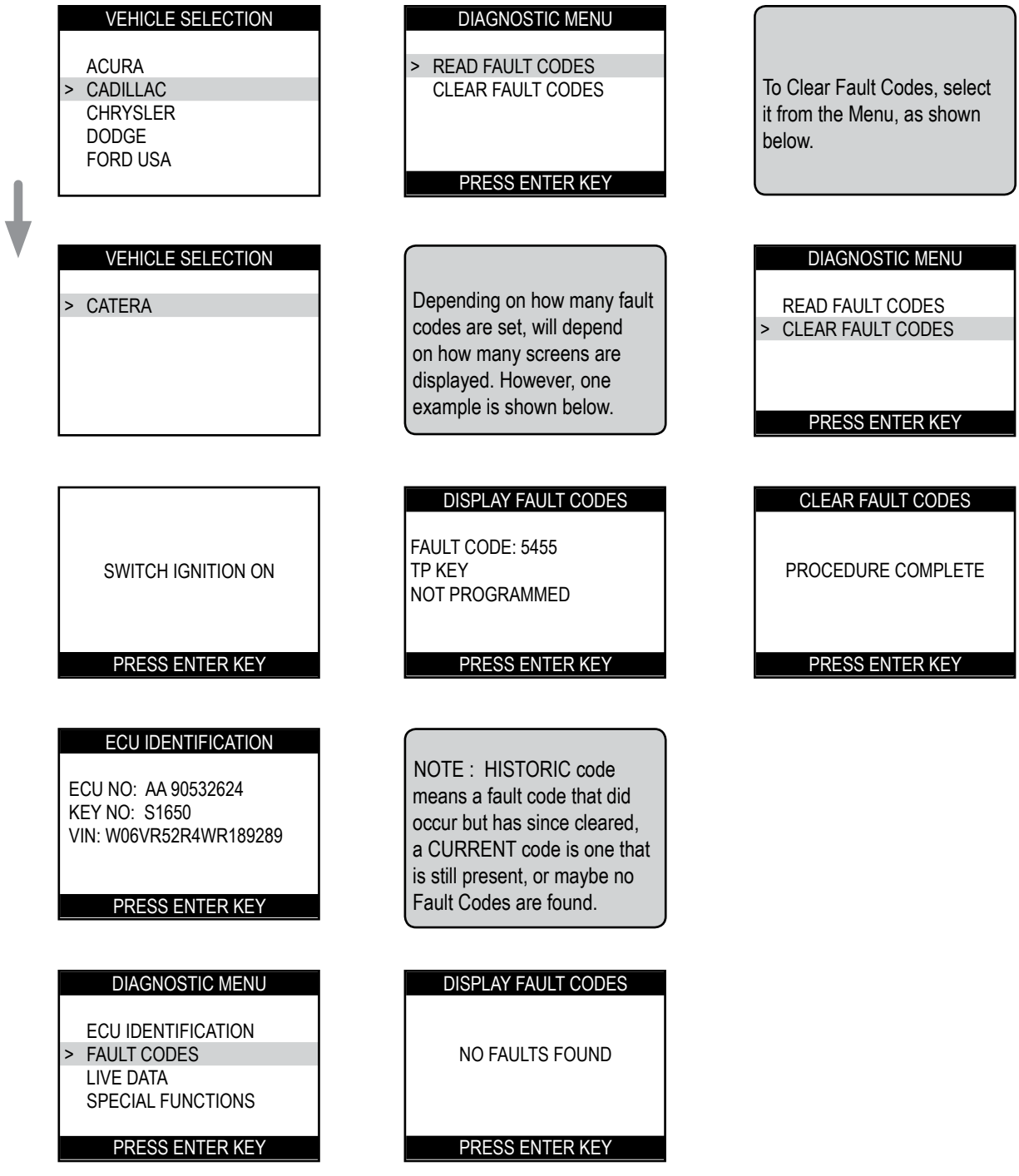
Cadillac Catera

PROGRAM KEYS



Cadillac Catera

READ & CLEAR FAULT CODES



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MVP - TCODE - *PRO*

Powered by *ADVANCED DIAGNOSTICS USA*

PONTIAC GTO
Key Programming

(Part of ADS-138)

(Optional software on some TCode units)

PONTIAC GTO

- What You Need To Program Keys -

The MVP, TCODE & PRO can "Read Out" the

- **Key Code**
- **Radio Code**
- **PIN Code**

for the Pontiac GTO

You do NOT need a key to get this info from the car. Just plug into the OBD2 port and go!

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PONTIAC GTO

Only a Dealer key will work.

GM Dealer Remote Head Part# 92123129

GM Dealer Keyblank Part# 94860087

GM Dealer Screws Part# 92138596

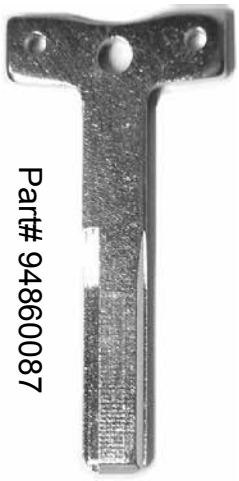
Code Series: H 001-3000

Ilco Test Key Part #: HF56
Silca Test Key Part #: HU43

Max Number of Keys: 4

Cannot Clone at this time.

Part# 92138596



Part# 94860087

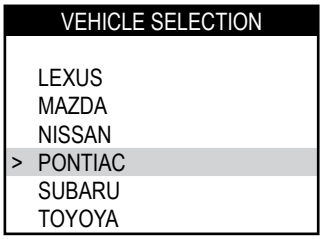
Part# 92123129

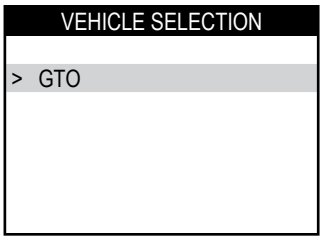
PONTIAC GTO

Use this method to 'Read Out' the PinCode

MVP & TCODE:
You will need the ADC-128 Cable.

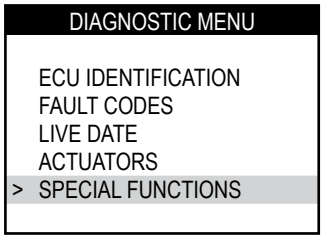
TCODE PRO:
Use the ADC151 Cable.

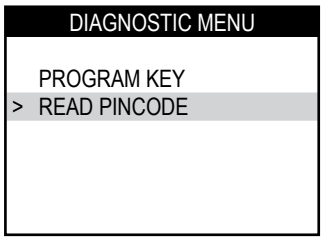


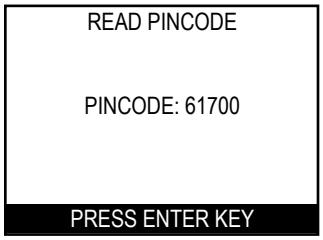


You Do Not need to turn on the ignition to 'Read Out" the Key Code, PIN Code or Radio Code.

The above codes are just examples from our test car.







The above code is just an example from our test car.

Since the PIN Code is 5 digits, you need to add a zero to the front of it when programming the key.

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PONTIAC GTO

Use this method to PROGRAM KEYS

MVP & TCODE:
You will need the ADC-128 Cable.

TCODE PRO:
Use the ADC151 Cable.

VEHICLE SELECTION

LEXUS
MAZDA
NISSAN
> PONTIAC
SUBARU
TOYOYA

VEHICLE SELECTION

> GTO

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

S/W VERSION: 2
S/W DATE: XX/XX/XX
BCM CODE: BH007082

PRESS ENTER KEY

MECHANICAL NUMBER
H 2293

RADIO CODE
1564

PRESS ENTER KEY

The above codes are just examples from our test car.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATE
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEY
READ PINCODE

SECURITY CODE
6 DIGIT PINCODE
NEEDS TO BE ENTERED
IF PINCODE IS LESS
THAN 6 DIGITS THEN
INSERT ZEROS BEFORE
ENTERING PINCODE

PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _ _

SECURITY CODE

0 6 7 1 1 2

IS CODE CORRECT
OK=ENTER CLEAR=BACK

The above code is just an example from our test car.

If the PIN Code is less than 6 digits, you need to add zeros to the front of it to make it 6 digits long.

PROGRAMMING KEY

For additional keys, repeat the procedure.

MVP - TCODE - *PRO*

Powered by *ADVANCED DIAGNOSTICS USA*

SATURN ASTRA
Key Programming

(Part of ADS-139)

4-Digit Pin

is needed from a
GM dealer.

Saturn Astra Remote Flip Out Key

GM Part # 93192428

(Optional software on some TCode units)

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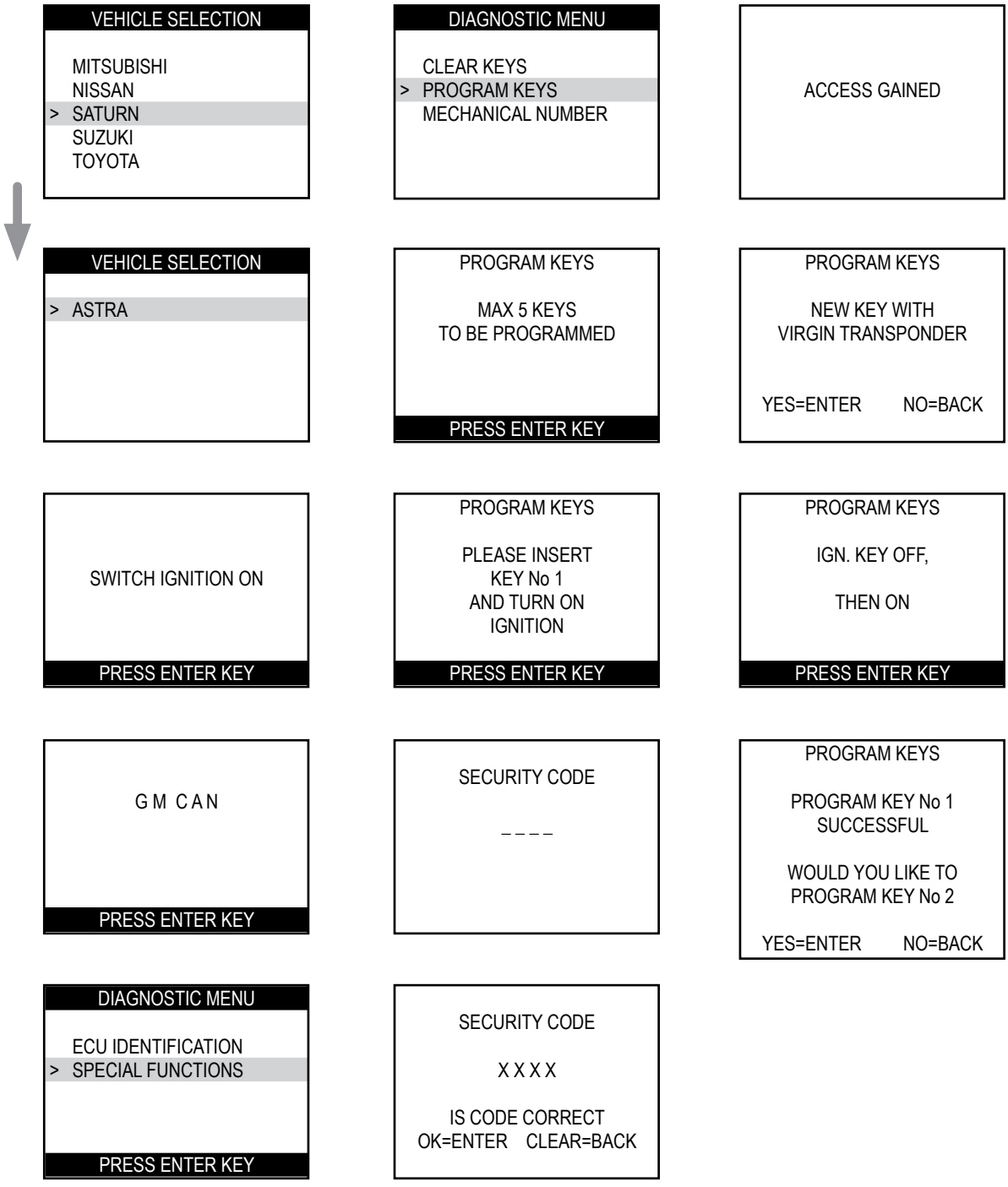
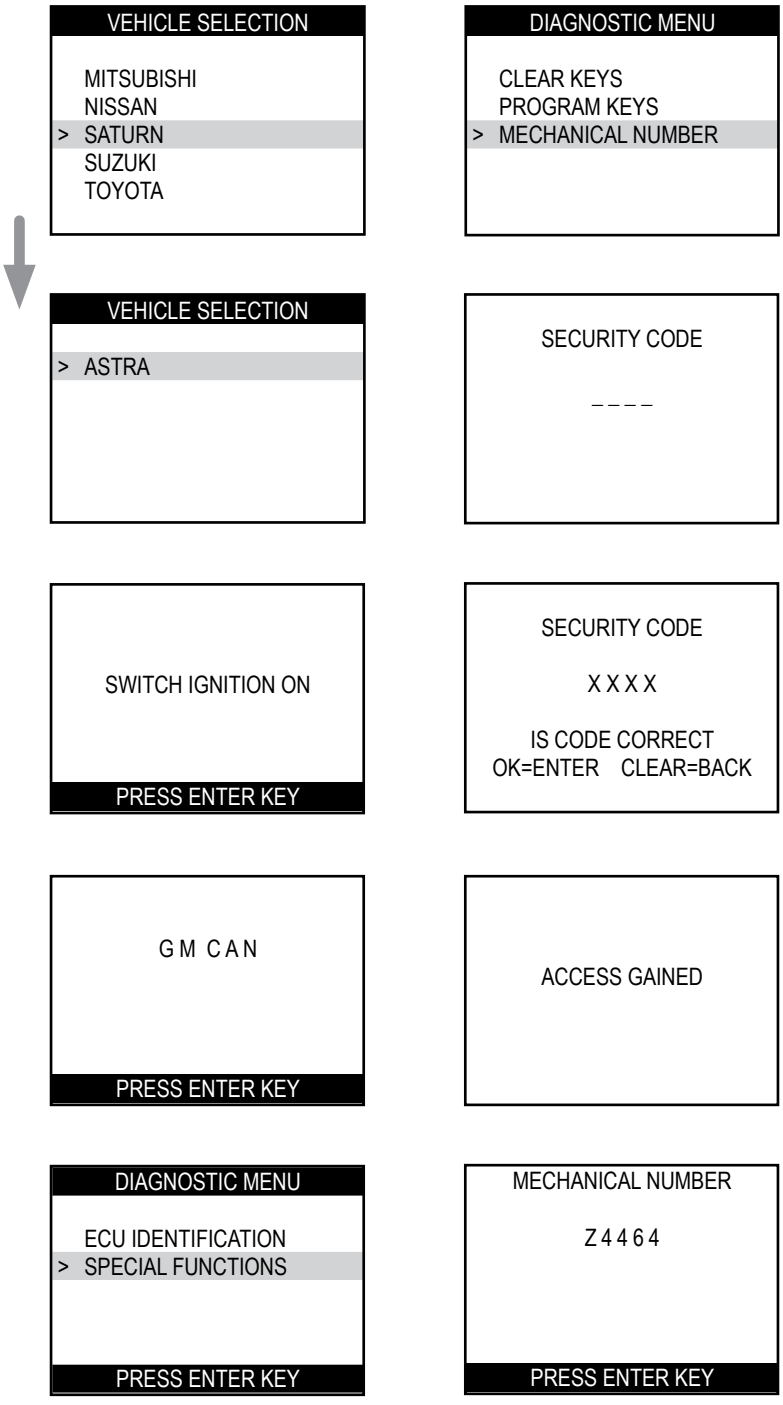
Saturn Astra

PROGRAM KEYS



Saturn Astra

OBTAIN KEYCODE FROM CAR



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SECTION 1 – CORVETTE / STS / XLR SMART ENTRY PROX SYSTEMS

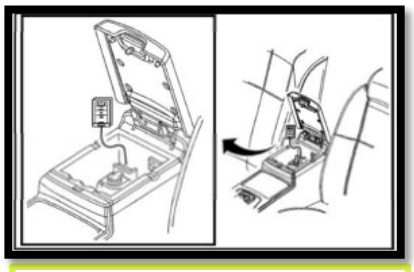
T-CODE PRO
SOFTWARE - ADS-187
GM USA-2012

These models are now currently supported:

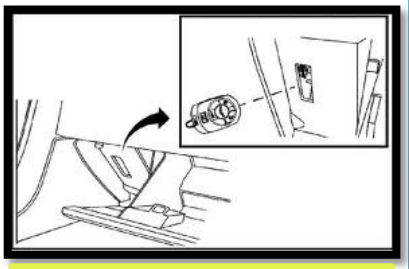
YEAR	MAKE	MODEL	PIN CODE READING	NEEDS SMC (or web security)	Dongle
2005-2012	CHEVROLET	CORVETTE	NO PIN REQUIRED	YES	C
2008-2011	CADILLAC	CTS	NO PIN REQUIRED	YES	K
2005-2012	CADILLAC	STS	NO PIN REQUIRED	YES	K
2005	CADILLAC	XLR	NO PIN REQUIRED	YES	C

Please Note: Requires purchased software version 10.05 or higher loaded on TCODE PRO (Beta at time of production of this guide. Expected release for MVP Pro week of April 9th.

Corvette & STS START/ STOP Pushbutton.



STS learning pocket is located in the rear of the center console. (Insert FOB buttons facing the front of the car).



Corvette learning pocket is located in the glove box. (Insert FOB button facing passenger door).

How to program additional FOBS if you already have at least one working proximity FOB.

1. Vehicle must be off.
2. Place the working remote in the cup holder. Have the new remote outside the vehicle.
3. Insert the key into the key lock cylinder located on the outside of drivers door.
4. Turn the key to the unlock position five times within five seconds.
5. The (DIC) Driver Information Center displays Ready to Learn FOB #2, 3 or 4
6. Place the new remote to be programmed into the transmitter pocket with the buttons facing towards the front of the vehicle. (The transmitter pocket is inside the center console between the driver and front passenger seats).
7. A beep sounds once the remote is programmed. The DIC displays Ready to Learn electronic Key #3 or 4, Or Maximum # Electronic Keys Learned.
8. Press the START/ STOP BUTTON to exit programming mode.
9. Remove the remote from the transmitter pocket and press unlock to the remote two times.
10. To program additional remotes, repeat Steps 6 through 9. **The system will hold anywhere from 1 to 4 FOBS.**

NOTE: Canadian vehicles may require TWO programmed keys to add using on board procedure.

IF NO PROGRAMMED FOBS ARE AVAILABLE FOLLOW THE PROCEDURE ON THE NEXT PAGE USING ADS-187

STEP 1-Connect the PRO to the vehicles OBD2 connecter using the ADC-250 main cable and the K or C dongle (check guide).
SELECT: +GM USA
+IMMOBILIZER/ BY VEHICLE / Select: STS or Corvette/ Select the correct year for the model you are programming IE. 2005-2012 / Last select: PROGRAM PROX KEY.

PROGRAM PROX KEY will take 12 minutes to prepare the vehicles RCDLR (Remote Control Door Lock Receiver) to accept NEW FOBS (up to 4 Max.)
Make sure the vehicle's battery voltage remains at least 12 volts.

THE PROCEDURE ERASES ALL PREVIOUSLY PROGRAMMED PROX FOBS

Please Note: Requires software version 10.05 or higher loaded onto your PRO (Beta at time of production of this guide.

STEP 2- Turn the key in the door or on Corvette/CTS in the rear hatch lock 6 times to unlock.
The car should beep and the dashboard should DISPLAY: "READY FOR FOB 1"

STEP 3- Place the 1st new FOB to be learned in the learning pocket.
The car should beep and program FOB 1 and the dash should say: READY FOR FOB 2.
Place the 2nd FOB in the learning slot.
Again the car should beep and the dash should say READY FOR FOB 3 , REPEAT until you are finished or a MAX of 4 FOBS are learned.
START THE ENGINE with a programmed FOB in the learning pocket and then press the unlock button twice on each FOB to complete the procedure & test the FOBS.

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T-CODE PRO
ADS-187
GM USA -2012
OPTIONAL SOFTWARE

SECTION 2 – SWITCH BLADE KEY & PEPS 2010+ SYSTEMS

These models are currently supported:

Please Note: Requires purchased software version 10.04 or higher loaded on TCODE PRO (Beta at time of production of this guide. Expected release for MVP Pro week of April 9th.

YEAR	MAKE	MODEL	PIN CODE READING	SMC	Dongle
2010-2012	BUICK	LACROSS-KEY	YES / Most Engines Except V4 1.2L (Canada)	YES	K
		LACROSS-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2011-2012	BUICK	REGAL-KEY	YES / Most Engines Except V4 1.2L (Canada)	YES	K
		REGAL-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2012	BUICK	VERANO-KEY	YES / Most Engines Except V4 1.2L (Canada)	YES	K
		VERANO-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2010-2012	CADILLAC	SRX-PEPS	YES / Most Engines Except V4 1.2L (Canada)	YES	K
2010-2011	CHEVROLET	CAMARO-KEY	YES / Most Engines Except V6 3.6L (USA/Canada)	YES	K
2012	CHEVROLET	CAMARO-KEY	YES	YES	K
2010-2012	CHEVROLET	CAMARO-KEY	YES	YES	K
2011-2012	CHEVROLET	CRUZE-KEY	YES / Most Engines	YES	K
		CRUZE-PEPS	YES / Most Engines	YES	K
2010-2012	CHEVROLET	EQUINOX-KEY	YES / Most Engines	YES	K
2012	CHEVROLET	SONIC-KEY	YES / Most Engines	YES	K
2010-2012	GMC	TERRAIN-KEY	YES / Most Engines	YES	K

GM Switchblade Key

Cruze Peps learning slot
(There's a slot for the key blade under a removable cover)

Cruze Peps
Start / Stop
Pushbutton

Srx/Lacrosse
Peps
Start / Stop
Pushbutton

Srx/Lacrosse/
Regal Peps
learning slot
Located under
cup holder in
center console

Peps outside handle

PIN CODES & PIN CODE READING:

All the models require a 4 digit alpha numeric pin code (numbers +letters) GM can provide the pin from the VIN.
In many cases the T-CODE PRO can read the pin from the engine computer.
Success depends on the exact engine used in the car.
In the USA we have seen great success (99.9%) on models listed. However as listed 2010-2011 Camaro V6 3.6L and some models with V4 1.2L engine cannot be read.
We have only seen the V4 1.2L sold in the Canadian market, which is why we have listed them as CANADA.
The 2012 Camaro V6 3.6L reads OK, only 2010-2011 that cannot be read (at time of this printing).
NOTE: ALL These models program exactly the same as long as you can get the correct pin from GM.
PIN READING is NOT and may never be 100% on all models listed, however we have seen excellent results in USA.

ADS-187
GM USA -2012

PINCODE READING

1. SELECT THE MAKE & MODEL YOU ARE WORKING ON. Start off by selecting GM USA.
2. NEXT SELECT the engine size of the vehicle.

CHECK APPLICATIONS GUIDE FOR COVERAGE.
PICK THE MODEL YOU ARE WORKING ON.

SELECT: GM USA

SELECT: READ PINCODE

SELECT: BY VEHICLE

SELECT: THE MODEL YOUR PROGRAMMING

KEYED MODELS TURN IGN ON FOR PIN READING / FOR PEPS MODELS USE FORCE IGNTION ON

Make sure the IGNITION IS ON then select the engine size to read the pin.

Continued Next page

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GM USA 2012 PIN CODE READING- CONTINUED

KEYED MODELS -TURN THE IGNITION ON.

SELECT: READ PIN CODE

On PEPS systems if no working PEPS FOB is available, see the FORCE IGNTION ON FUNCTION on page

- THE VIN SHOULD DISPLAY

AFTER READING THE PIN:

1. WRITE THE PINCODE DOWN……You don't want to forget it later!
2. TURN OFF AND RESTART THE PRO-
3. FOR PEPS SYSTEMS LEAVE THE IGNITION ON.
4. FOR KEYED MODELS TURN THE IGNITION OFF- WAIT 45 SECONDS.
5. NEXT STEP AFTER RESTARTING THE PRO IS GO TO IMMOBILIZER TO PROGRAM KEYS OR PEPS.

PLEASE NOTE: PINCODES CAN BE LETTERS AND OR NUMBERS. FOR EXAMPLE: NV9M IS A VALID PIN.

IF THE PRO DISPLAYS AN ERROR AND IS UNABLE TO READ THE PIN CODE CHECK THAT YOU SELECTED THE CORRECT MODEL & ENGINE SIZE

ADS-187
GM USA -2012

GM USA 2012 PROGRAMMING KEYED MODELS

SELECT the model you are working on...

SELECT the year you are working on...

KEYED MODELS SELECT: NORMAL

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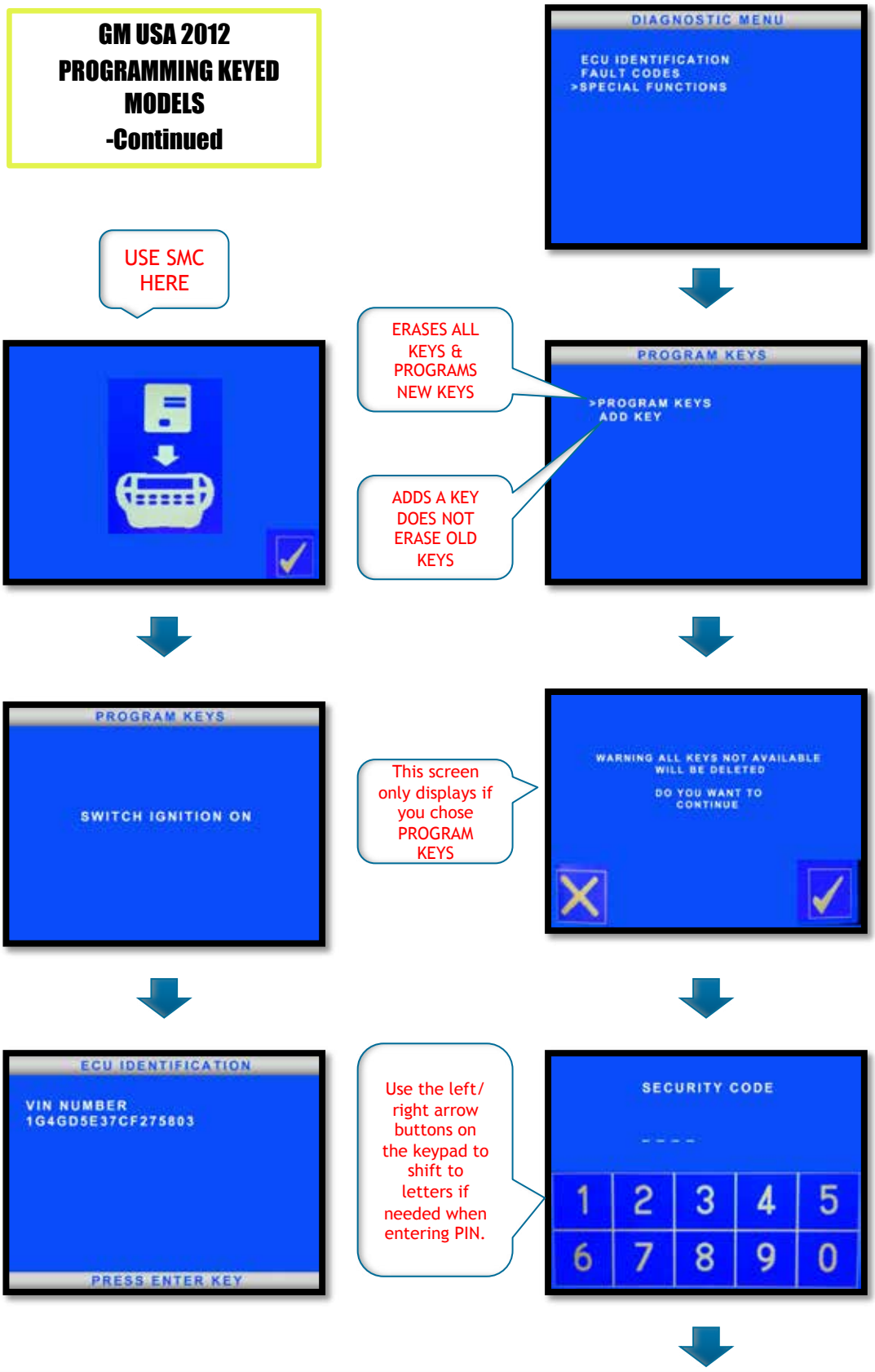
GM USA 2012 PROGRAMMING KEYED MODELS -Continued


DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
>SPECIAL FUNCTIONS
USE SMC HERE
ERASES ALL KEYS & PROGRAMS NEW KEYS
ADDS A KEY DOES NOT ERASE OLD KEYS
PROGRAM KEYS
>PROGRAM KEYS
ADD KEY
PROGRAM KEYS
SWITCH IGNITION ON
This screen only displays if you chose PROGRAM KEYS
WARNING ALL KEYS NOT AVAILABLE WILL BE DELETED
DO YOU WANT TO CONTINUE
ECU IDENTIFICATION
VIN NUMBER
1G4GD5E37CF275803
PRESS ENTER KEY
Use the left/ right arrow buttons on the keypad to shift to letters if needed when entering PIN.
SECURITY CODE
1 2 3 4 5
6 7 8 9 0

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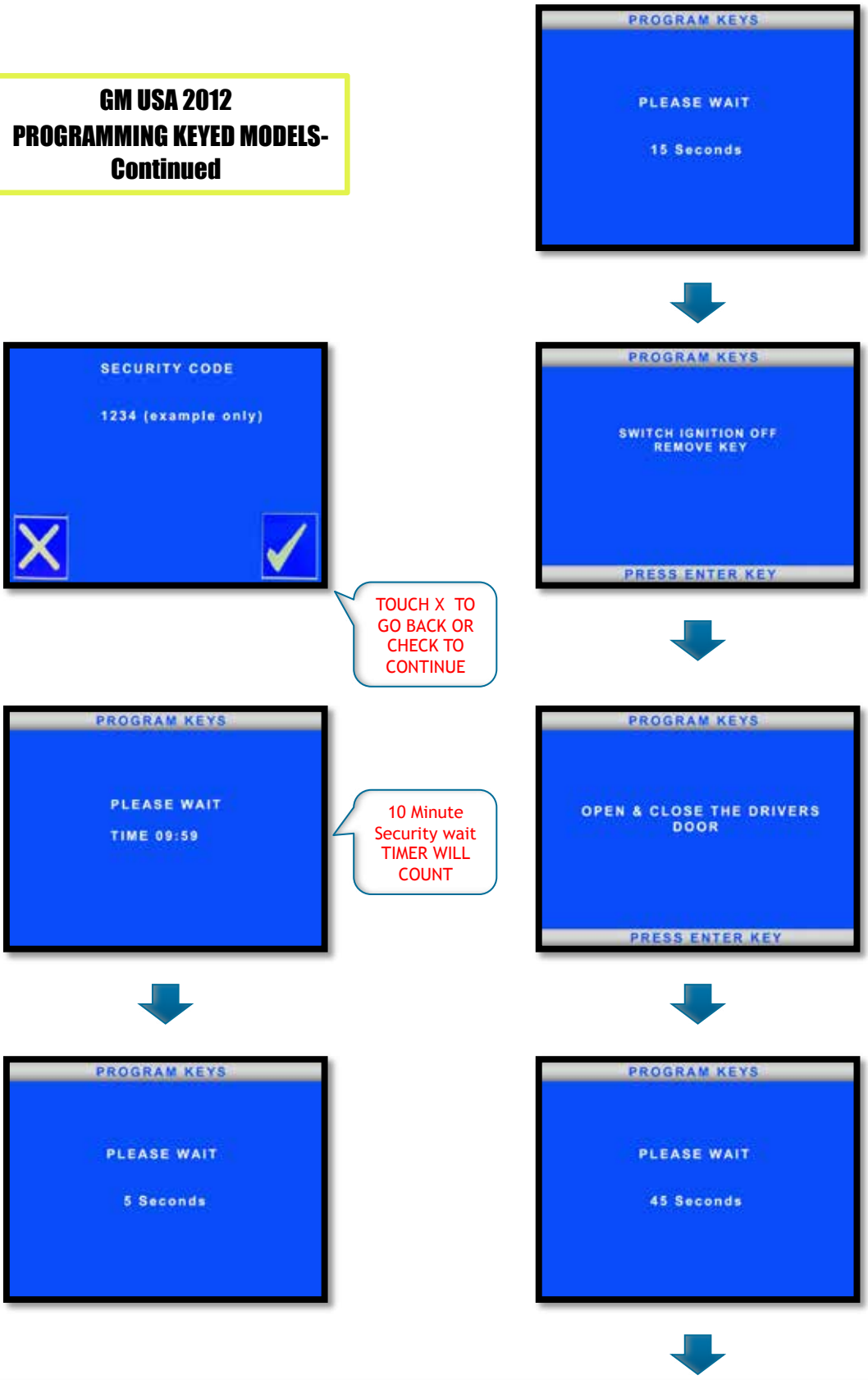
GM USA 2012 PROGRAMMING KEYED MODELS- Continued



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GM USA 2012
PROGRAMMING KEYED MODELS- Continued

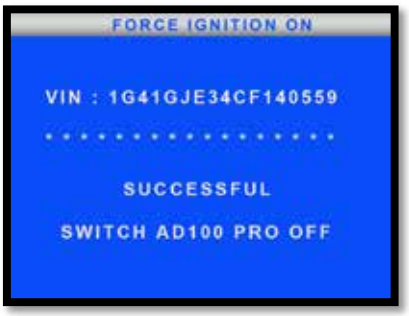
THE FINAL SCREEN WILL DISPLAY PROCEDURE COMPLETE AND THE TOTAL NUMBER OF PROGRAMMED KEYS IN THE SYSTEM

PROX / PEPS

FORCE IGNITION ON FUNCTION

USE ON PEPS SYSTEMS WHEN NO PROGRAMMED FOB IS AVAILABLE

Step 1 - When working on a PEPS system is to power up the dashboard using FORCE IGNITION ON. This allows you to power up the dash when you have no programmed PEP FOB so you can proceed to pin reading & peps programming.



WHEN USING THE FORCE IGNITION FUNCTION:

Once you have the IGNITION FORCED ON **LEAVE IT ON.**
-SWITCH THE PRO OFF/ON
-PROCEED TO PIN READING.

SEE PIN READING SECTION For instructions.

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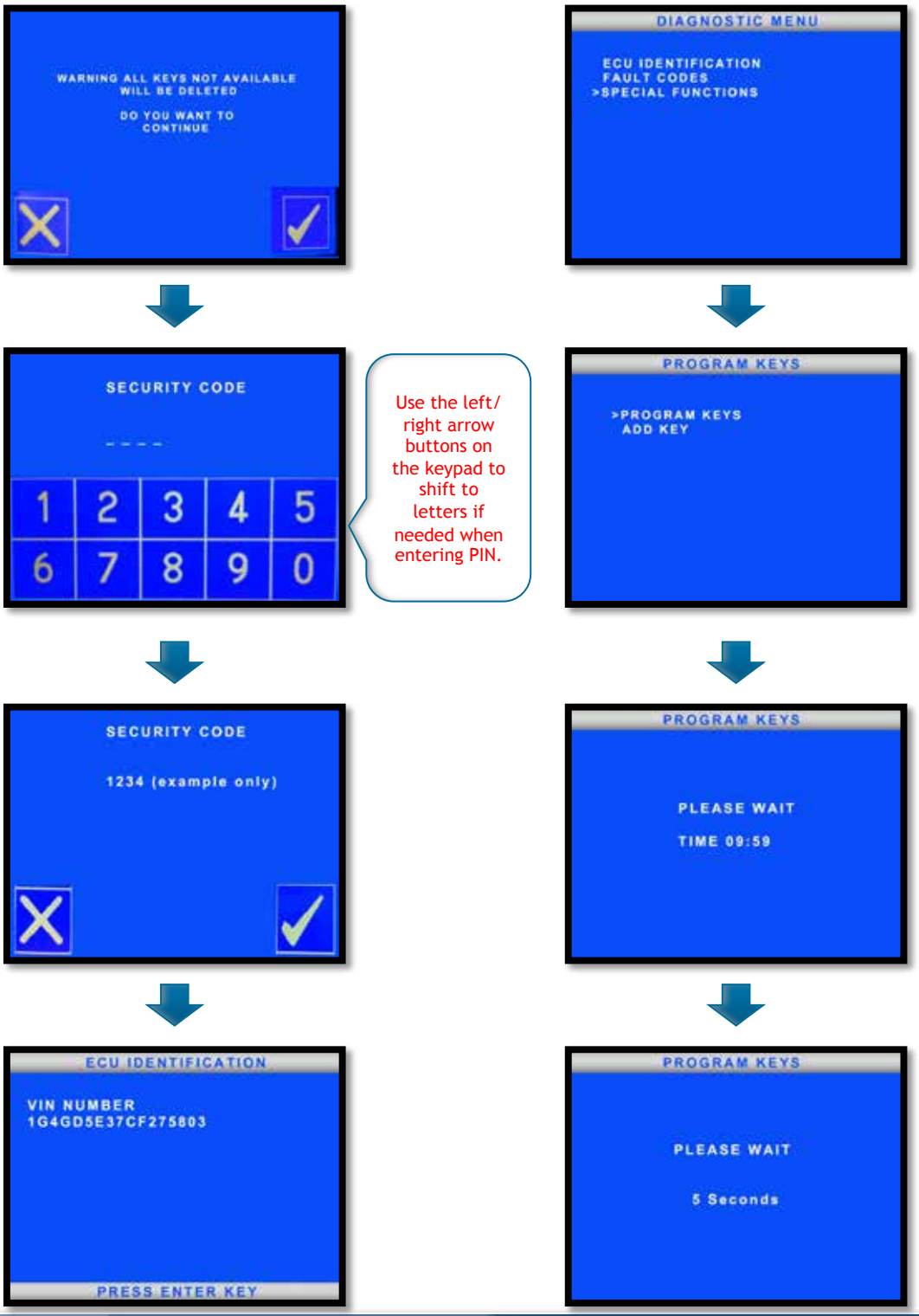
GM USA 2012
PROX / PEPS

When programming PEPS systems the 1st step is always to use FORCE IGNITION ON, THEN LEAVE IT ON UNTIL THE PRO INSTRUCTS TO SWITCH IT OFF.

IF THE INGITION IS NOT ON THEN USE "FORCE IGNTION ON" before proceeding with the steps outlines below:

Continued Next page

GM USA 2012
PROX / PEPS - Continued



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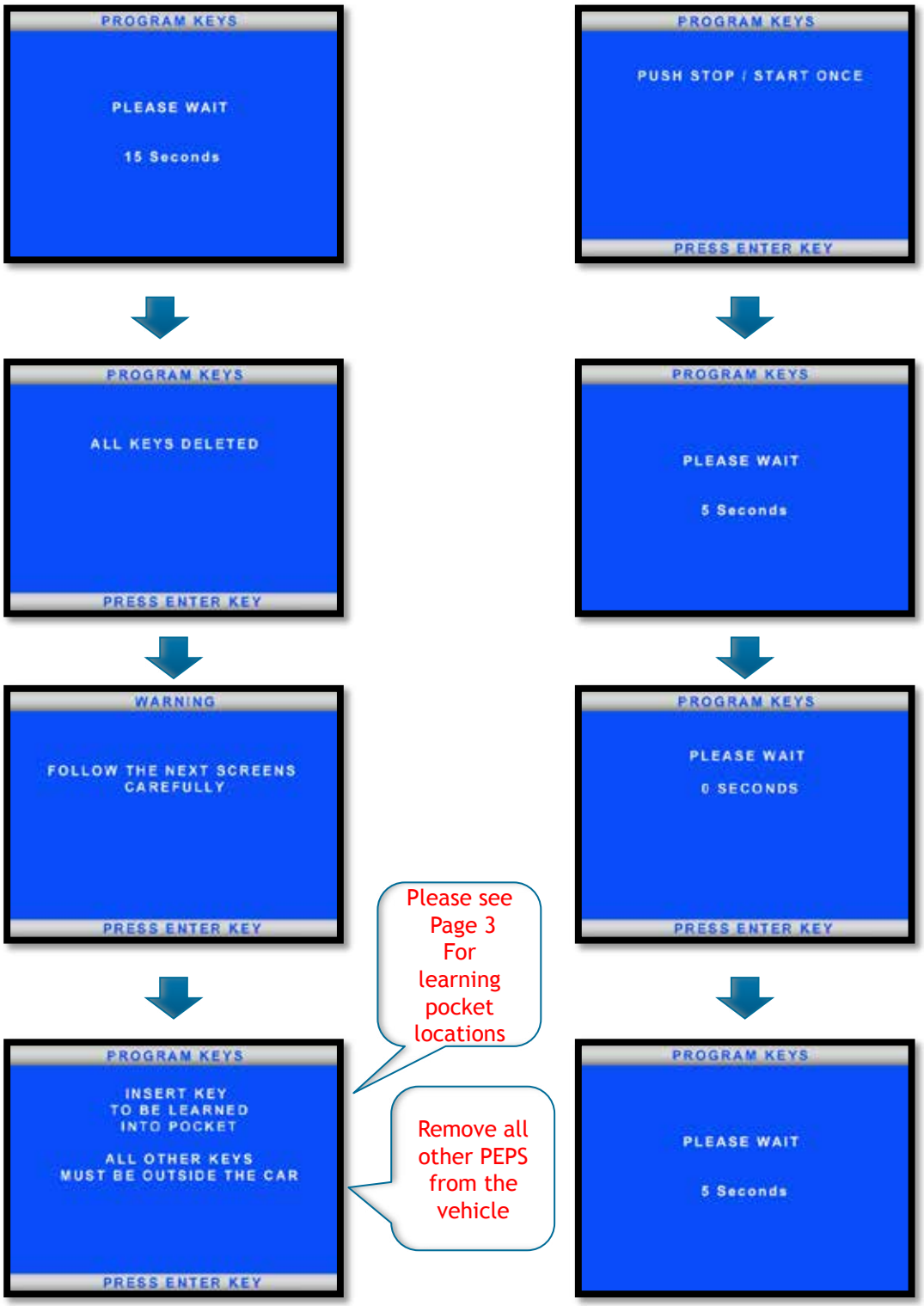
GM USA 2012
PROX / PEPS - Continued



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GM USA 2012
PROX / PEPS - Continued

Press START / STOP once or twice just until the dash shuts OFF

TO PROGRAM MORE THAN ONE PROX SELECT THE CHECKMARK.
TAKE THE 1ST PROX OUT OF THE SLOT AND REPLACE IT WITH PROX 2

However, we recommend Programming one PEPS Using the software and then use the ON-BOARD procedure for adding additional PEPS Which is the same procedure found in SECTION 1 – P2.

If your finished programming then hold the button START / STOP Button for 12 seconds.

Continued Next page

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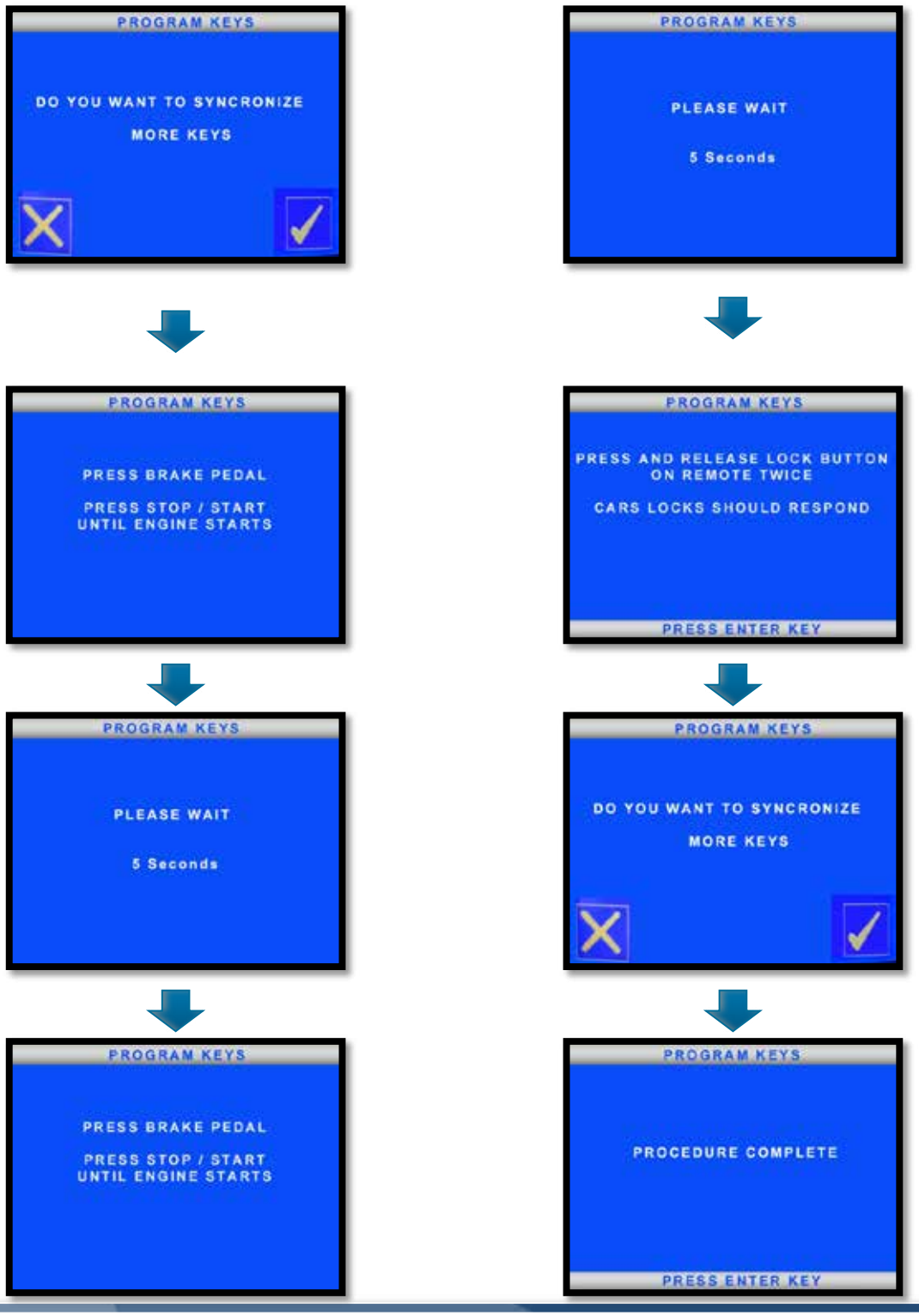
GM USA 2012
PROX / PEPS - Continued

ONCE THE CAR STARTS THE NEXT SCREEN COMES UP AUTOMATICALLY

To perform these last steps you can bring all the PEPS into the vehicle.

Continued Next page

GM USA 2012
PROX / PEPS - Continued



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TIPS & TROUBLESHOOTING

CHECK ENGINE LIGHT:

It's not at all uncommon for the CHECK ENGINE LIGHT to illuminate after KEY/PEPS programming to RESET it go to IMMOBILIZER KEYED and select CLEAR FAULT CODES.

If the light does not go out then the problem is not related to the immobilizer.

At time of printing FAULT CODE READING on the menu is disabled. We hope to add a reading feature soon, however at present the FAULT CODE CLEARING is working perfectly.

1. Make sure vehicle battery voltage is at least 12 volts during all programming procedures.
2. The Transponder & Remote functions program at the same time on switchblade keys and PEPS FOBS. If the car starts but the remote buttons do not work then there is likely something wrong with the key. Check the batteries in the KEY/PEP as a likely cause.
3. The software is designed to REPLACE LOST KEYS and will NOT re-program modules or match mismatched components. Changed BCM modules or PCM modules will need DEALER EQUIPMENT.
4. Aftermarket scanners and gauges if installed or wired into the OBD system may interfere with pin code reading & or programming and may need to be disconnected.
5. KEYS AND PEPS are NOT Re-usable from one car to another. Be wary of any KEY/PEP that is not BRAND NEW.

   ONCE KEYS ARE USED ON A VEHICLE THEY CANNOT BE RE-USED ON ANOTHER.
6. Make sure the batteries in FOBS are OK.

Tech Support 650-351-8270

ADVANCED DIAGNOSTICS USA

A place for your notes:

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